# INDEX TO VOLUME 17 (1976)
## OF
# TECHNOLOGY AND CULTURE

(R) indicates Book Review

Pagination according to issues: January 1–200; April, 201–422; July, 423–620; October, 621–816


"The Abbot Payson Usher Prize," 489

Academy Forum, NAS, *Energy: Future Alternatives and Risks,* (R) 177

*Aegean Metalwork of the Early and Middle Bronze Age,* K. Branigan, (R) 531

AERONAUTICS AND ASTRONAUTICS: Bailes, "Technology and Legitimacy: Soviet Aviation and Stalinism in the 1930s," 55; Costello and Hughes, *The Concorde Conspiracy,* (R) 771; Gilbert, *The Great Planes,* (R) 769

Agassi, J., (R) Wiezenbaum, *Computer Power and Human Reason,* 813

AGRICULTURE: Bökönyi, *History of Domestic Mammals in Central and Eastern Europe,* (R) 108; Huggett, *The Land Question and European Society,* (R) 370; Kohlmeyer, *Timber Roots,* (R) 158; Kuuse, *Interaction between Agriculture and Industry,* (R) 761; Rossiter, *Emergence of Agricultural Science,* (R) 755; Schlebecker, *Whereby We Thrive: A History of American Farming,* (R) 543; Tobey, "Theoretical Science and Technology in American Ecology," 718; White, *Farm Equipment of the Roman World,* (R) 541; Young, *Virginia Agricultural Experiment Station,* (R) 545

"American Ideologies of Science and Engineering," E. T. Layton, Jr., 688

*The Americans: The Democratic Experience,* D. J. Boorstin, (R) 385

*America's Gilded Age, Its Architecture and Decoration,* F. Platt, (R) 776

*America's Impact on the World,* W. Woodruff, (R) 564

*America's Wooden Age,* B. Hindle, ed., (R) 748

*Ancient Carpenter's Tools: Together with Lumbermen's, Joiners', and Cabinet Makers' Tools in Use in the Eighteenth Century,* H. C. Mercer, (R) 754

ANCIENT TECHNOLOGY (*see also* ARCHAEOLOGY): Branigan, *Aegean Metalwork,* (R) 531; Burford, *Craftsmen in Greek and Roman Society,* (R) 537; Fairservis, *Roots of Ancient India,* (R) 785; Halleux, *Problème des nétaux dans la science antique,* (R) 535; Prager, *Philo of Byzantium; Pneumatica,* (R) 116; Price, *Gears from the Greeks,* (R) 112; White, *Farm Equipment of the Roman World,* (R) 541

Anderson, M., *Family Structure in Nineteenth Century Lancashire,* (R) 549

Andrews, G. F., *Maya Cities: Placemaking and Urbanization,* (R) 546

ANTHROPOLOGY (*see also* ARCHAEOLOGY): Andrews, *Maya Cities,* (R) 546; Bökönyi, *History of Domestic Mammals in Central and Eastern Europe,* (R) 108; Higgs, *Palaeoeconomy,* (R) 110; Press, *Tradition and Adaptation: Life in a Modern Yucatan Maya Village,* (R) 807; Renfrew, *Explanation of Culture Change,* (R) 190

Antikythera Mechanism; *see* Price, D.

ARCHAEOLOGY (*see also* ANTHROPOLOGY *and* INDUSTRIAL ARCHAEOLOGY): Boczar, *Galeona Zygmunta Augusta,* (R) 790; Branigan, *Aegean Metalwork,* (R) 531; Fairservis, *Roots of Ancient India,* (R) 785; *Threshold of Civilization,* (R) 365; Pope, *Story of Archaeological Decipherment,* (R) 530

ARCHITECTURE (*see also* BUILDING; CIVIL ENGINEERING; *and* CONSTRUCTION): Bletter and Robinson, *Skyscraper Style,* (R) 399; Bush, *Streamlined Decade,* (R) 779; Kidney, *Architecture of Choice: Eclecticism in America, 1880–1930,* (R) 776; Rowsome, *The Bright and Glowing Place,* (R) 575; Vlack, *Art Deco Architecture in New York,* (R) 161

*The Architecture of Choice: Eclecticism in America, 1880–1930,* W. C. Kidney, (R) 776

ARMOR; *see* MILITARY TECHNOLOGY *and* WEAPONS

ART: Bush, *Streamlined Decade,* (R) 779; Evans, *Art Pottery of the United States,* (R) 413; Quimby, *Winterthur Portfolio 10,* (R)

606; Seale, *The Tasteful Interlude,* (R) 773
*Art Deco Architecture in New York, 1920–1940,* D. Vlack, (R) 161
*Artisan to Graduate: Essays to Commemorate the Foundation in 1824 of the Manchester Mechanics' Institution,* D. S. L. Cardwell, ed., (R) 143
*Art Pottery of the United States, an Encyclopedia of Producers and Their Marks,* P. F. Evans, (R) 413
*The Atlas of Historic Towns,* Vol. 2, M. D. Lobel, ed., (R) 787
Austin, J. B., (R) Nishida, ed., *History of Steel in Japan,* 559
AUTOMATION; *see* COMPUTERS
AUTOMOBILES; *see* MECHANICAL ENGINEERING *and* TRANSPORTATION

Bailes, K. D., "Technology and Legitimacy: Soviet Aviation and Stalinism in the 1930s," 55
Baker, W. A., (R) Goldenberg, *Shipbuilding in Colonial America,* 750
Balz, M. W., *Invention and Innovation under Soviet Law: A Comparative Analysis,* (R) 561
Bayor, R. H., (R) Brier and Robinson, *Computers and the Social Sciences,* 580; (R) Lobel, *Atlas of Historic Towns,* 787
Beatty, W. K.; *see* Marks, G.
Beckerman, W., *Two Cheers for the Affluent Society,* (R) 188
*Becoming Modern: Individual Change in Six Developing Countries,* A. Inkeles and D. H. Smith, (R) 568
Bederman, S. H., (R) Williams, *The Making of the South Australian Landscape: A Study in the Historical Geography of Australia,* 408
Beer, C. de; *see* Jackson, M. J.
Beer, J. J., (R) Rossiter, *The Emergence of Agricultural Science: Justus Liebig and the Americans, 1840–1880,* 755
"Beginnings of Development in Nuclear Technology," R. G. Hewlett, 465
Bell, S. P., *A Biographical Index of British Engineers in the 19th Century,* (R) 611
Ben-Shahar, H., and Lerner, A., *The Economics of Efficiency and Growth, Lessons from Israel and the West Bank,* (R) 183
Berman, G., *An Essay on Church Clocks with Reference to the Clock from the Hospital Santa Cruz,* (R) 135
BIBLIOGRAPHY (*see also* HISTORIOGRAPHY OF TECHNOLOGY): Higham, *Guide to Sources of U.S. Military History,* (R) 613; Hudson, *West Riding Wool Textile Industry: Catalogue of Business Records,* (R) 610
Binder, F. M., *Coal Age Empire: Pennsylvania Coal and Its Utilization to 1860,* (R) 140
*A Biographical Index of British Engineers in the 19th Century,* S. P. Bell, (R) 611
*Biographical Memoirs,* Vol. 46, National Academy of Science, (R) 395
Birr, K., (R) Liebhafsky, *William David Coolidge,* 153
Biswas, A. K., (R) Frazier, *Water Current Meters in the Smithsonian Collections of the National Museum of History and Technology,* 415; (R) UNESCO-WMO-IAHS, *Three Centuries of Scientific Hydrology,* 121
Black, C. E., (R) Inkeles and Smith, *Becoming Modern: Individual Change in Six Developing Countries,* 568
Blanpied, W. A., (R) Fairservis, *The Roots of Ancient India,* 785
*Blätter Für Technikgeschichte,* Rolf Niederheumer, ed., (R) 193
Bletter, R. H.; *see* Robinson, C.
Boczar, M., *Galeona Zygmunta Augusta: Próba Rekonstrukcji,* (R) 790
Bodey, H., *Twenty Centuries of British Industry,* (R) 598
Bökönyi, S., *History of Domestic Mammals in Central and Eastern Europe,* (R) 108
Bonelli, M. L. R., and Shea, W. R., eds., *Reason, Experiment, and Mysticism in the Scientific Revolution,* (R) 793
Boorstin, D. J., *The Americans: The Democratic Experience,* (R) 385
Brainerd, J. G., "Genesis of the ENIAC," 482; "The Open University and the History of Technology," 235; (R) Heilbroner, *An Inquiry into the Human Prospect,* 187
Branigan, K., *Aegean Metalwork of the Early and Middle Bronze Age,* (R) 531
Braun, H. J., *Technologische Beziehungen Zwischen Deutschland und England von der Mitte 17. bis zum Ausgang des 18. Jahrhunderts,* (R) 554
Brier, A., and Robinson, I., *Computers and the Social Sciences,* (R) 580
Briggs, A., (R) Brooke, *London, 800–1216,* 123; (R) Coppa and Dolce, *Cities in Transition,* 548
*The Bright and Glowing Place,* F. Rowsome, Jr., (R) 575
Brooke, D., *London, 800–1216,* (R) 123
Brunner, E., (R) Heal, *Industrial Britain: The Steel Industry in Post-War Britain,* 165
Bryant, L., "The Development of the Diesel Engine," 432; (R) Janota, *Vehicle*

*Engines: Fuel Consumption and Air Pollution,* 175
Buchanan, R. A., "Second International Congress on the Conservation of Industrial Monuments," 245; (R) Bodey, *Twenty Centuries of British Industry,* 598
BUILDING; *see* ARCHITECTURE; CIVIL ENGINEERING; *and* CONSTRUCTION
Bullough, V. L., (R) Mercer, *Ancient Carpenters', Joiners' and Cabinet Makers' Tools in Use in the Eighteenth Century,* 754
Bulmer, M., ed., *Working-Class Images of Society,* (R) 585
Burford, A., *Craftsmen in Greek and Roman Society,* (R) 537
Bush, D. *The Streamlined Decade,* (R) 779
*By the Sweat of Thy Brow: Work in the Western World,* M. Kranzberg and J. Gies, (R) 170

Cahn, R. W., (R) NAS, *Materials and Man's Needs,* 570
Canan, J., *The Superwarriors,* (R) 771
*The Car Culture,* J. J. Flink, (R) 400
Cardwell, D., "Science and Technology: The Work of James Prescott Joule," 674; ed., *Artisan to Graduate, Essays to Commemorate the Foundation in 1824 of the Manchester Mechanics' Institution,* (R) 142
Casson, L., (R) Boczar, *Galeona Zygmunta Augusta: Próba Rekonstrukcji,* 790; (R) Pope, *The Story of Archaeological Decipherment, from Egyptian Hieroglyphs to Linear B.,* 530
Catapano, F. T., (R), Berman, *An Essay on Church Clocks, with Reference to the Clock from the Hospital Santa Cruz,* 135
Centre de documentation d'histoire des techniques, *Etudes pour un traitement automatique des sources en histoire des techniques,* (R) 410
CERAMICS: Engle, *Readings in Glass History,* (R) 412; Godfrey, *Development of English Glassmaking,* (R) 788; Harris and Pris, "Memoirs of Delauney Deslandes," 201; *Journal of Glass Studies,* (R) 601; Scott, *Glassworkers of Carmaux,* (R) 802
Chapman, S. D.; *see* Ponting, K. G.
"The Chapter on Weirs in the Codex of Juanelo Turriano: A Question of Authorship," Garcia-Diego, J. A., 217
CHEMISTRY AND CHEMICAL ENGINEERING: Multhauf, "Geology, Chemistry, and the Production of Common Salt," 634; Rossiter, *Emergence of Agricultural Science,* (R) 755
Chenhall, R. G., *Museum Cataloging in the Computer Age,* (R) 614
Cherns, A. B.; *see* Davis, L. E.
*China's Modern Economy in Historical Perspective,* D. H. Perkins, ed., (R) 804
*Cities in Transition: From the Ancient World to Urban America,* F. J. Coppa and P. C. Dolce, (R) 548
*Citizen Groups and the Nuclear Power Controversy,* S. Ebbin and R. Kasper, (R) 401
CIVIL ENGINEERING (*see also* ARCHITECTURE; BUILDING; *and* CONSTRUCTION); Morgan, *The Making of TVA,* (R) 162; Snyder and Guss, *The District: A History of The Philadelphia District U.S. Army Corps of Engineers,* (R) 150
*Class Struggle and the Industrial Revolution: Early Industrial Capitalism in Three English Towns,* J. Foster, (R) 375
*Coal Age Empire: Pennsylvania Coal and Its Utilization to 1860,* F. M. Binder, (R) 140
Colt, S.; *see* Lundeberg, P.
"Commentary on the Development Phase of Technological Change," C. Susskind, 479
COMMUNICATIONS (*see also* ELECTRICAL ENGINEERING); Eastwood, *Wireless Telegraphy,* (R) 145; McLuhan, "Misunderstanding the Media's Laws," 263; Woods, *History of Tactical Communication Techniques,* (R) 151
*The Compton Effect: Turning Point in Physics,* R. H. Stuewer, (R) 154
*Computer Power and Human Reason,* J. Wiezenbaum, (R) 813
COMPUTERS: Brainerd, "Genesis of the ENIAC," 482; Brier and Robinson, *Computers and Social Sciences,* (R) 580; Centre de documentation, Etudes pour un traitement automatique des sources, (R) 410; Chenhall, *Museum Cataloging in the Computer Age,* (R) 614; Price, *Gears from the Greeks,* (R) 112; Weizenbaum, *Computer Power and Human Reason,* (R) 813
*Computers and Social Sciences,* A. Brier and I. Robinson, (R) 580
*The Concorde Conspiracy: The International Race for the SST,* J. Costello and T. Hughes, (R) 771
Condit, C., (R) Andrews, *Maya Cities,* 546; (R) Mainstone, *Developments in Structural Form,* 396; (R) Morgan, *The Making of TVA,* 162; (R) Robinson and Bletter, *Skyscraper Style: Art Deco in New York,* 161
CONSTRUCTION (*see also* BUILDING *and* CIVIL ENGINEERING); Garcia-Diego,

"The Chapter on Weirs in the Codex of Juanelo Turriano," 217; Harris, *Tallest Tower,* (R) 552; Mainstone, *Developments in Structural Form,* (R) 396; NAS, *Materials and Man's Needs,* (R) 570
Coolidge, W. D.; *see* Liebhafsky, H. A.
Coppa, F. J., and Dloce, P. C., *Cities in Transition,* (R) 548
Corning Museum of Glass, *Journal of Glass Studies,* (R) 601
Costello, J., and Hughes, T., *The Concorde Conspiracy,* (R) 771
Cowan, R. S., "The 'Industrial Revolution' in the Home: Household Technology and the 20th Century," 1; "Right On —and On!" 527
Cox, T. R., *Mills and Markets: A History of the Pacific Coast Lumber Industry to 1900,* (R) 387
CRAFTS (*see also* MACHINERY AND TOOLS): Burford, *Craftsmen in Greek and Roman Society,* (R) 537; Gill, *Gunsmith in Colonial Virginia,* (R) 752; Mercer, *Ancient Carpenters' Tools of the Eighteenth Century,* (R) 754; Scott, *Glassworkers of Carmaux,* (R) 802
*Craftsmen in Greek and Roman Society,* A. Burford, (R) 537
Craig, R. M., (R) Bush, *The Streamlined Decade,* 781; (R) Kidney, *The Architecture of Choice: Eclecticism in America, 1880–1930,* 781; (R) Platt, *America's Gilded Age, Its Architecture and Decoration,* 776
Crowe, C., "Slavery, Ideology, and 'Cliometrics,' " 271
Cromwell, G., *The Virginia Manufactory of Arms,* (R) 138
Cudahy, B. J., *Rails under the Mighty Hudson,* (R) 763
Curtin, P. S., *Economic Change in Pre-Colonial Africa: Senegambia in the Era of the Slave Trade,* (R) 406

David, P. A., *Technical Choice, Innovation and Economic Growth: Essays on American and British Experience in the Nineteenth Century,* (R) 380
Davies, K. G., *The North Atlantic World in the Seventeenth Century,* (R) 130
Davis, D. B., *The Problem of Slavery in the Age of Revolution, 1770–1823,* (R) 132
Davis, L. E., and Cherns, A. B., eds., *The Quality of Working Life,* (R) 581
Davis, N. Z., (R) *Society and Culture in Early Modern France,* 368
*The Deadly Simple Mechanics of Society,* J. Helmer, (R) 585
de Camp, L. S., (R) Rottensteiner, *The Science Fiction Book,* 781
*The Decline of Fertility in Germany, 1871–1939,* J. E. Knobel, (R) 389
Dee, J., *The Mathematical Preface to Euclid (1570),* (R) 128
De Gregori, T. R., (R) Curtin, *Economic Change in Pre-Colonial Africa: Senegambia in the Era of the Slave Trade,* 406; (R) UNESCO, *Science and Technology in African Development,* 182
Deslandes, D.; *see* Harris, J. R.
DEVELOPMENT (*see also* ECONOMICS; INDUSTRIAL DEVELOPMENT; *and* TRANSFER OF TECHNOLOGY): Ben-Shahar and Lerner, *Economics of Efficiency and Growth: Lessons from Israel and the West Bank,* (R) 183; Curtin, *Economic Change in Pre-Colonial Africa,* (R) 406; Hough, *Technology Diffusion: Federal Programs and Procedures,* (R) 578; Inkeles and Smith, *Becoming Modern: Individual Changes in Six Developing Countries,* (R) 568; Kelley and Williamson, *Lessons from Japanese Development,* (R) 559; NAS, *Materials and Man's Needs,* (R) 570; Nishida, *History of Steel in Japan,* (R) 559; Savelle, *Empires to Nations,* (R) 130; Susskind, "Commentary on the Development Phase of Technological Change," 479; UNESCO, *Science and Technology in African Development,* (R) 182; Williams, *Making of the South Australian Landscape,* (R) 408
*The Development of English Glassmaking,* E. S. Godrey, (R) 788
"The Development of the Diesel Engine," L. Bryant, 432
*The Development of the West of Scotland,* A. Slaven, (R) 800
"The Development Phase of Technological Change," T. P. Hughes, 423
*Developments in Structural Form,* R. J. Mainstone, (R) 396
Devons, S., (R) Stuewer, *The Compton Effect,* 154
Dew, C. B. (R) Cromwell, *The Virginia Manufactory of Arms,* 138
"The Dexter Prize," 491
Dibner, B., "First Martyr of Electricity," 743
*The District: A History of the Philadelphia District U.S. Army Corps of Engineers, 1866–1971,* F. E. Snyder and B. H. Guss, (R) 150
Dolce, P. C., and Coppa, F. J., *Cities in Transition,* (R) 548
Dorn, H., " 'Questionable Opinions' Defended," 523

Drachman, A. G., (R) Prager, *Philo of Byzantium: Pneumatica*, 116; (R) Price, *Gears from the Greeks: The Antikythera Mechanism*, 112
Dresbeck, L. J., (R) Rowsome, *The Bright and Glowing Place*, 575
Drucker, P. F., (R) Kelley and Williamson, *Lessons from Japanese Development: An Analytical Economic History*, 559
Duncan, F., (R) Gowing, *Independence ad Deterrence, Britain and Atomic Energy*, 167

Eastwood, E., ed., *Wireless Telegraphy: The Royal Institution Library of Science*, (R) 145
Ebbin, S., and Kasper, R., *Citizens Groups in the Nuclear Power Controversy*, (R) 401
ECOLOGY: Janota, *Vehicle Engines*, (R) 175; Sanders, ed., *Science and Technology: Vital Natural Resources*, (R) 577
*Economic Change in Pre-Colonial Africa: Senegambia in the Era of the Slave Trade*, P. D. Curtin, (R) 406
ECONOMICS (*see also* DEVELOPMENT *and* INDUSTRIAL DEVELOPMENT): Beckerman, *Two Cheers for the Affluent Society*, (R) 188; Bodey, *Twenty Centuries of British Industry*, (R) 598; Cox, *Mills and Markets*, (R) 387; Foster, *Class Struggle and the Industrial Revolution*, (R) 375; Gold, *Technological Change*, (R) 782; Kelley and Williamson, *Lessons from Japanese Development*, (R) 559; Perkins, *China's Modern Economy in Historical Perspective*, (R) 804; Sandberg, *Lancashire in Decline*, (R) 158; Woodruff, *America's Impact on the World*, (R) 564
*The Economics of Efficiency and Growth: Lessons from Israel and The West Bank*, A. Lerner and H. Ben-Shahar, (R) 183
*Ekonomicheskoe polozhenie Rossii v gody pervoi mirovoi voiny* [The economic position of Russia in the years of the First World War], A. L. Sidorov, (R) 390
EDUCATION: Brainerd, "The Open University and the History of Technology," 235; Cardwell, *Artisan to Graduate* (Manchester Mechanics' Institution), (R) 143; West, *Education and the Industrial Revolution*, (R) 377
*Education and the Industrial Revolution*, E.G. West, (R) 377
*Eighteenth Century Gunfounding: The Verbruggens at the Royal Brass Foundry*, M. J. Jackson and C. de Beer, (R) 136
Eisenman, H. J., "The National Museum of Transport," 93
ELECTRICAL ENGINEERING (*see also* COMMUNICATIONS; COMPUTERS; *and* ELECTRONICS): Dibner, "First Martyr of Electricity," 743; Hughes, "The Science-Technology Interaction: The Case of High-Voltage Power Transmission Systems," 646; Liebhafsky, *William David Coolidge*, (R) 153
ELECTRONICS; *see* COMMUNICATIONS; COMPUTERS; *and* ELECTRICAL ENGINEERING
Ellsworth, L. F., (R) Boorstin, *The Americans: The Democratic Experience*, 385
*The Emergence of Agricultural Science: Justus Liebig and the Americans, 1840–1880*, M. W. Rossiter, (R) 755
Emme, E. M., (R) Stine, *The Third Industrial Revolution*, 809
*Empires to Nations: Expansion in America, 1713–1823*, M. Savelle, (R) 130
ENERGY (*see also* NUCLEAR SCIENCE *and* ENGINEERING): Academy Forum, *Energy*, (R) 177; Binder, *Coal Age Empire: Pennsylvania Coal and Its Utilization to 1860*, (R) 140; Ford Foundation, A Time to Choose, (R) 177; Janota, *Vehicle Engines*, (R) 175; Lovins and Price, *Non-nuclear Futures*, (R) 811; Morgan, *The Making of TVA*, (R) 162
*Energy: Future Alternatives and Risks*, Academy Forum, (R) 177
Engle, A., ed., *Readings in Glass History*, No. 5, (R) 412
ENIAC; *see* Brainerd, J. G.
ENVIRONMENTAL TECHNOLOGY; *see* ECOLOGY
*An Essay on Church Clocks, with Reference to the Clock from the Hospital Santa Cruz*, G. Berman, (R) 135
*Etudes pour un traitement automatique des sources en histoire des techniques*, Centre de documentation d'histoire des techniques, (R) 410
Euclid; *see* Dee, J.
Evans, P. F., *Art Pottery of the United States, an Encyclopedia of Producers and Their Marks*, (R) 413
EXHIBITS; *see* MUSEUMS
*The Existential Pleasures of Engineering*, S. C. Florman, (R) 528
*The Explanation of Culture Change: Models of Prehistory*, C. Renfrew, ed., (R) 190

Fairfield, R. P., ed., *Humanizing the Workplace*, (R) 583
Fairservis, W., *The Roots of Ancient India*, (R) 785; *The Threshold of Civilization*, (R) 365

*Family Structure in Nineteenth Century Lancashire,* M. Anderson, (R) 549
*Farm Equipment of the Roman World,* K. D. White, (R) 541
FARMING; *see* AGRICULTURE
Feller, I., (R) Kuuse, *Interaction between Agriculture and Industry: Case Studies of Farm Mechanisation and Industrialisation in Sweden and the United States, 1830–1930,* 761; (R) Hough, *Technology Diffusion: Federal Programs and Procedures,* 578
Ferguson, E. S., "Martha Teach Gnudi (1908–1976)," 531; (R) Bell, *A Biographical Index of British Engineers in the 19th Century,* 611
Ferkiss, V., (R) Fuller, *Synergetics,* 104
"First Martyr of Electricity," B. Dibner, 743
Fitzsimons, M., "Right On!" 526
"Flaws in McLuhan's Laws," W. H. Venable, 256
Flink, J. J., *The Car Culture,* (R) 400
Florman, S. C., *The Existential Pleasures of Engineering,* (R) 528
Ford Foundation, *A Time to Choose: America's Energy Future,* (R) 177
*The Formation of the American Scientific Community: The American Association for the Advancement of Science, 1848–1860,* S. G. Kohlstedt, (R) 758
Foster, J., *Class Struggle and the Industrial Revolution: Early Industrial Capitalism in Three English Towns,* (R) 375
*Francis Place and the Early History of the Greenwich Observatory,* D. Howse, (R) 414
Frantz, J. B., (R) Kohlmeyer, *Timber Roots: The Laird Norton Story, 1855–1905,* 158
Frazier, A. H. *Water Current Meters in the Smithsonian Collections of the National Museum of History and Technology,* (R) 415
Frejka, T., (R) Knodel, *The Decline of Fertility in Germany, 1871–1939,* 389
Fries, R. I., (R) Lundeberg, *Samuel Colt's Submarine Battery,* 148
*From Know-how to Nowhere: The Development of American Technology,* E. E. Morison, (R) 746
Fuller, R. B., *Synergetics,* (R) 104
*Fundamental Measures and Constants for Science and Technology,* F. D. Rossini, (R) 122
Fussell, G. E. (R) Huggett, *The Land Question and European Society,* 370; (R) White, *Farm Equipment of the Roman World,* 541
FUTUROLOGY (*see also* SOCIAL CHANGE AND SOCIAL THOUGHT): Helbroner, *An Inquiry into the Human Prospect,* (R) 187; Rottensteiner, *The Science Fiction Book,* (R) 781

*Galeona Zygmunta Augusta: Próba Rekonstruckcji,* M. Boczar, (R) 790
Garcia-Diego, J. A., "The Chapter on Weirs in the Codex of Juanelo Turriano: A Question of Authorship," 217
*Gears from the Greeks: The Antikythera Mechanism—a Calendar Computer from ca. 80 B.C.,* D. Price, (R) 112
"Genesis of the ENIAC," J. G. Brainerd, 482
"Geology, Chemistry, and the Production of Common Salt," R. P. Multhauf, 634
Germain, P., (R) Gowans, *On Parallels in Universal History Discoverable in Arts and Artifacts,* 191
Gies, J., (R) Poole, *Worker's Participation in Industry,* 172; *see also* Kranzberg, M.; (R) Davis and Cherns, *The Quality of Working Life,* 581; (R) Fairfield, *Humanizing the Workplace,* 583
Gilbert, J., *The Great Planes,* (R) 769
Gill, H. B., *The Gunsmith in Colonial Virginia,* (R) 752
GLASS; *see* CERAMICS
*The Glassworkers of Carmaux: French Craftsmen and Political Action in a Nineteenth-Century City,* J. W. Scott, (R) 802
Gnudi, M. T.; *see* Ferguson, E. S.
Godfrey, E. S., *The Development of English Glassmaking,* (R) 788
Gold, B., ed., *Technological Change: Economics, Management, and Environment,* (R) 782
Goldenberg, J. A., *Shipbuilding in Colonial America,* (R) 750
Goldfarb, (R) Keating, *The Lambent Flame,* 149
Gowans, A., *On Parallels in Universal History Discoverable in Arts and Artifacts,* (R) 191
Gowing, M., *Independence and Deterrence, Britain and Atomic Energy, 1945–1952,* (R) 167
*Great Britain and Her World, 1750–1914,* B. M. Ratcliffe, ed., (R) 795
*The Great Planes,* J. Gilbert, (R) 769
*A Guide to the Sources of United States Military History,* R. Higham, (R) 613
Guilmartin, J. F., *Gunpowder and Galleys: Changing Technology and Mediterranean Warfare at Sea in the Sixteenth Century,* (R) 373

*Gunpowder and Galleys: Changing Technology and Mediterranean Warfare at Sea in the Sixteenth Century,* J. F. Guilmartin, (R) 373
*The Gunsmith in Colonial Virginia,* H. B. Gill, (R) 752
Guss, B. H.; *see* Snyder, F. E.

Haden, H. J., (R) Corning Museum of Glass, *Journal of Glass Studies,* 601; (R) Engle, *Reading in Glass History,* 412; (R) Godfrey, *The Development of English Glassmaking,* 788
Hall, A. R., (R) Plum, *Natural Science and Technology on the Road to the "Industrial Revolution,"* 127
Halleux, R., *Le Problème des metaux dans la science antique,* (R) 535
Harriot, T.; *see* Shirley, J. W.
Harris, J. R., (R) Kranzberg and Gies, *By the Sweat of Thy Brow: Work in the Western World,* 170; *and* Pris, C., "The Memoirs of Delauney Deslandes," 201
Harriss, J., *The Tallest Tower,* (R) 552
Hartenberg, R. S. (R) Niederheumer, *Blätter Für Technikgeschichte,* 193
Hausman, W. J., (R) Ratcliffe, ed., *Great Britain and Her World, 1750–1914,* 795
Heal, D. W., *Industrial Britain: The Steel Industry in Post-War Britain,* (R) 165
Heilbroner, R. S., *An Inquiry into the Human Prospect,* (R) 187
Helmer, J., *The Deadly Simple Mechanics of Society,* (R) 585
Henderson, G., (R) Jeon, *Science and Technology in Korea,* 404
Henretta, J. A., (R) Davies, *The North Atlantic World in the Seventeenth Century,* 130; (R) Savelle, *Empires to Nations: Expansion in America, 1713–1823,* 130
Hewlett, R. G., "Beginnings of Development in Nuclear Technology," 465
Higgs, E. S., ed., *Palaeoeconomy,* (R) 100
Higham, R., *A Guide to the Sources of U.S. Military History,* (R) 613
Hills, R. L., (R) Rolt, *Waterloo Ironworks: A History of Taskers of Andover, 1809–1968,* 378
Hindle, B., ed., *America's Wooden Age,* (R) 748
*Historical Studies in the Physical Sciences,* R. McCormmach, (R) 604
HISTORIOGRAPHY OF TECHNOLOGY (*see also* BIBLIOGRAPHY; INDUSTRIAL ARCHAEOLOGY; *and* MUSEUMS): Bell, *Biographical Index of British Engineers,* (R) 611; Brainerd, "The Open University and the History of Technology," 235; Centre de documentation, *Etudes pour un traitement automatique des sources,* (R) 410; Chenhall, *Museum Cataloging in the Computer Age,* (R) 614; Crowe, "Slavery, Ideology, and 'Cliometrics,'" 271; Ferguson, "Martha Teach Gnudi," 521; Frazier, *Water Current Meters in the Smithsonian,* (R) 415; Garcia-Diego, "The Chapter on Weirs in the Codex of Juanelo Turriano," 217; Gowans, *On Parallels in Universal History,* (R) 191; Harris and Pris, "Memoirs of Delaunay Deslandes," 201; Kelley and Williamson, *Lessons from Japanese Development,* (R) 559; Kohlstedt, *Formation of the American Scientific Community,* (R) 758; Layton, "American Ideologies of Science and Engineering," 688; Mayr, "The Science-Technology Relationship as a Historiographic Problem," 663; National Academy of Science, *Biographical Memoirs,* (R) 395; Niederheumer, *Blätter für Technikgeschichte,* (R) 193; Nishida, *A History of Steel in Japan,* (R) 559; Sinclair, *Philadelphia's Philosopher Mechanics: A History of the Franklin Institute,* (R) 382; Weeks, *Men against Tanks: A History of Anti-Tank Warfare,* (R) 558
*History of Domestic Mammals in Central and Eastern Europe,* S. Bökönyi, (R) 108
*History of Steel in Japan,* E. Nishida, ed., (R) 559
*A History of Tactical Communication Techniques,* D. L. Woods, (R) 151
Hitz, E., (R) Hudson, *The West Riding Wool Textile Industry,* 610
Holley, I. B., (R) Gilbert, *The Great Planes,* 769
Holtze, B., et al., *Swedish Industrial Archaeology: Englesberg Ironworks,* (R) 599
HOROLOGY; *see* INSTRUMENTS
*Horsecars, Cable Cars, and Omnibuses,* J. H. White, Jr., (R) 765
Hough, G. W., *Technology Diffusion: Federal Programs and Procedures,* (R) 578
Howse, D., *Francis Place and the Early History of the Greenwich Observatory,* (R) 414
Hudson, K., (R) Holtze, *Swedish Industrial Archaeology: Englesberg Ironworks,* 599
Hudson, P., *The West Riding Wool Textile Industry: A Catalogue of Business Records from the Sixteenth to the Twentieth Century,* (R) 610
Huggett, F. E., *The Land Question and European Society,* (R) 370

Hughes, T., and Costello, J., *The Concorde Conspiracy,* (R) 771
Hughes, T. P., "The Development Phase of Technological Change: Introduction," 423; "The Science-Technology Interaction: The Case of High-Voltage Power Transmission Systems," 646
*Humanizing the Workplace,* R. P. Fairfield, ed., (R) 583
Hume, J. R., *The Industrial Archaeology of Glasgow,* (R) 798

ICOHTEC (International Cooperation in History of Technology Committee), 619
*The Impacts of Snow Enhancement,* L. W. Weisbecker, (R) 594
*The Improbable Era: The South since World War II,* C. P. Roland, (R) 768
*Independence and Deterrence: Britain and Atomic Energy, 1945–1952,* M. Gowing, (R) 167
INDUSTRIAL ARCHAEOLOGY (*see also* ARCHAEOLOGY *and* HISTORIOGRAPHY OF TECHNOLOGY): Buchanan, "Second International Congress on the Conservation of Industrial Monuments," 245; Hindle, *America's Wooden Age,* (R) 748; Holtz, *Swedish Industrial Archaeology: Englesberg Ironworks,* (R) 599; Hume, *Industrial Archaeology of Glasgow,* (R) 798; Mercer, *Ancient Carpenters' Tools of the Eighteenth Century,* (R) 754
*The Industrial Archaeology of Glasgow,* J. R. Hume, (R) 798
*Industrial Britain: The Steel Industry in Post-War Britain,* D. W. Heal, (R) 165
INDUSTRIAL DEVELOPMENT (*see also* DEVELOPMENT *and* ECONOMICS): David, *Technical Choice, Innovation and Economic Growth,* (R) 380; Davies, *North Atlantic World in the Seventeenth Century,* (R) 130; Heal, *Industrial Britain,* (R) 165; Hughes, "Development Phase of Technological Change, 423; Inkeles and Smith, *Becoming Modern: Individual Change in Six Developing Countries,* (R) 568; Jeon, *Science and Technology in Korea,* (R) 404; Kelley and Williamson, *Lessons from Japanese Development,* (R) 559; Morison, *From Know-how to Nowhere,* (R) 746; Nishida, *History of Steel in Japan,* (R) 559; Ratcliffe, *Great Britain and Her World,* (R) 795; Roland, *Improbable Era,* (R) 768; Slaven, *Development of the West of Scotland,* (R) 800
INDUSTRIAL ENGINEERING (*see also* MANUFACTURING): Davis and Cherns, *The Quality of Working Life,* (R) 581; Fairfield, *Humanizing the Workplace,* (R) 583; Kranzberg and Gies, *By the Sweat of Thy Brow,* (R) 170; Nelson, *Managers and Workers,* (R) 765
"The 'Industrial Revolution' in the Home: Household Technology and Social Change in the 20th Century," R. S. Cowan, 1
Inkeles, A., and Smith, D. H., *Becoming Modern: Individual Change in Six Developing Countries,* (R) 568
INNOVATION (*see also* INVENTION *and* RESEARCH AND DEVELOPMENT): Balz, *Invention and Innovation under Soviet Law,* (R) 561; David, *Technical Choice, Innovation and Economic Growth,* (R) 380; Gold, *Technological Change,* (R) 782; Rowsome, *The Bright and Glowing Place,* (R) 575
Inohara, H., (R) Sethi, *Japanese Business and Social Conflict,* 173
*An Inquiry into the Human Prospect,* R. L. Heilbroner, (R) 187
INSTRUMENTS (*see also* MACHINERY *and* TOOLS): Berman, *Essay on Church Clocks,* (R) 135; Frazier, *Water Current Meters,* (R) 415; Howse, *Francis Place and the Early History of the Greenwich Observatory,* (R) 414; Prager, *Philo of Byzantium,* (R) 116; Price, *Gears from the Greeks,* (R) 112
*Interaction between Agriculture and Industry: Case Studies of Farm Mechanisation and Industrialisation in Sweden and the United States, 1830–1930,* J. Kuuse, (R) 761
"The Interaction of Science and Technology in the Industrial Age: Foreword," R. Kohler, 621; "Introduction," N. Reingold and A. Molella, 624
"The Interaction of Science and Technology Today, or, Is Science the Mother of Invention?" F. R. Jevons, 729
INVENTION (*see also* INNOVATION): Balz, *Invention and Innovation under Soviet Law,* (R) 561; Jevons, "Interaction of Science and Technology Today, or, Is Science the Mother of Invention?" 729; Lundeberg, *Samuel Colt's Submarine Battery,* (R) 148; Post, "Liberalizers versus 'Scientific Men' in the Antebellum Patent Office," 24
*Invention and Innovation under Soviet Law: A Comparative Analysis,* M. W. Balz, (R) 561
Isaac, E., (R) Bökönyi, *History of Domestic Mammals in Central and Eastern Europe,* 108

Jackson, M. J., and Beer, C. de, *Eighteenth Century Gunfounding: The Verbruggens at the Royal Brass Foundry,* (R) 136
Jacobs, D. M., *The UFO Controversy in America,* (R) 596
James D., (R) Nelson, *Managers and Workers: Origins of the New Factory System of the United States, 1880–1920,* 765
Janota, M. S., ed., *Vehicle Engines: Fuel Consumption and Air Pollution,* (R) 175
*Japanese Business and Social Conflict,* S. P. Sethi, (R) 173
Jenkins, D. T., *The West Riding Wool Textile Industry, 1770–1835,* (R) 797
Jenkins, G., (R) Marks and Beatty, *The Precious Metals of Medicine,* 119
Jeon, S., *Science and Technology in Korea,* (R) 404
Jeremy, D. J., (R) Anderson, *Family Structure in Nineteenth Century Lancashire,* 549; (R) Sandberg, *Lancashire in Decline: A Study in Entrepreneurship, Technology and International Trade,* 158
Jevons, F. R., "The Interaction of Science and Technology Today, or, Is Science the Mother of Invention?" 729
Joule, J. P., *see* Cardwell, D.
*Journal of Glass Studies,* Corning Museum of Glass, (R) 601
Jovians, 512
Juanelo Turriano; *see* Garcia-Diego, J. A.

Kargon, R., (R) National Academy of Science, *Biographical Memoirs,* Vol. 46, 395
Kasper, R., and Ebben, S., *Citizen Groups and the Nuclear Power Controversy,* (R) 401
Kearns-Faure, F., (R) Centre du documentation d'histoire des techniques, *Etudes pour un traitement automatique des sources en histoire des techniques,* 410
Keating, J. D., *The Lambent Flame,* (R) 149
Keller, A., (R) Davis, *Society and Culture in Early Modern France,* 368
Kelley, A. C., and Williamson, J. G., *Lessons from Japanese Development: An Analytical Economic History,* (R) 559
Kidney, W. C., *The Architecture of Choice: Eclecticism in America, 1880–1930,* (R) 776
Kintner, W. R., and Sicherman, H., *Technology and International Politics: The Crisis of Wishing,* (R) 562
Kley, R. J., (R) Chenhall, *Museum Cataloging in the Computer Age,* 614
Knodel, J. E., *The Decline of Fertility in Germany, 1871–1939,* (R) 389
Kohler, R., "The Interaction of Science and Technology in the Industrial Age: Foreword," 621
Kohlmeyer, F. W., *Timber Roots, The Laird Norton Story, 1855–1905,* (R) 158; (R) Young, *The Virginia Agricultural Experiment Station, 1886–1966,* 545
Kohlstedt, S. G., *The Formation of the American Scientific Community: The American Association for the Advancement of Science, 1848–1860,* (R) 758
Kranzberg, M., and Gies, J., *By The Sweat of Thy Brow: Work in the Western World,* (R) 170
Krause, E. A., (R) Helmer, *The Deadly Simple Mechanics of Society,* 383
Kren, C., (R), Shirley, *Thomas Harriot: Renaissance Scientist,* 791
Kuuse, J., *Interaction between Agriculture and Industry: Case Studies of Farm Mechanisation and Industrialisation in Sweden and the United States, 1830–1930,* (R) 761

LABOR; *see* MANPOWER
"Ladislao Reti and 'The Unknown Leonardo,'" K. T. Steinitz, 264
*The Lambent Flame,* J. D. Keating, (R) 149
*Lancashire in Decline: A Study in Entrepreneurship, Technology, and International Trade,* L. G. Sandberg, (R) 158
*The Land Question and European Society,* F. E. Huggett, (R) 370
Layton, E. T., Jr., "American Ideologies of Science and Engineering," 688; (R) Morison, *From Know-how to Nowhere,* 746
Leavitt, T. W., (R) Ponting and Chapman, *Textile Industries,* 603
Leonardo da Vinci; *see* Steinitz, K. T.
Leonardo da Vinci Medal, 493
Lerner, A.; *see* Ben-Shahar, H.
*Lessons from Japanese Development: An Analytical Economic History,* A. C. Kelley and J. G. Williamson, (R) 559
Lewis, W. D., (R) Binder, *Coal Age Empire: Pennsylvania Coal and Its Utilization to 1860,* 140
*Lex et Scientia,* Vol. 10, (R) 591
"'Liberalizers' versus 'Scientific Men' in the Antebellum Patent Office," R. C. Post, 24
LIBRARIES: *see* HISTORIOGRAPHY OF TECHNOLOGY
Lide, D. R., (R) Rossini, *Fundamental Measures and Constants for Science and Technology,* 122
Lieberstein, S., (R) Ludwig, *Technik und*

*Ingenieure im Dritten Reich* [Technology and engineers in the Third Reich], 392; (R) Miliutin, *Sotsgorod: The Problem of Building Socialist Cities,* 808; (R) Sidorov, *Ekonomicheskoe polozhenie Rossii v gody pervoi mirovoi voiny* [The economic position of Russia in the First World War], 390
Liebhafsky, H. A., *William David Coolidge,* (R) 153
Liebig, J.; *see* Rossiter, M.
Lobel, M. D., ed., *The Atlas of Historic Towns,* (R) 787
*London: 800–1216: The Shaping of a City,* C. Brooks, (R) 123
Lovins, A. B., and Price, J. H., *Non-nuclear Futures,* (R) 811
Lowrance, W. W., (R) Sanders, ed., *Science and Technology: Vital National Resources,* 577
Ludwig, K.-H., *Technik und Ingenieure im Dritten Reich* [Technology and engineers in the Third Reich], (R) 392
Lundeberg, P. K., *Samuel Colt's Submarine Battery,* (R) 148

McCormmach, R., ed., *Historical Studies in the Physical Sciences,* (R) 604
McGinn, R. E., "Workshop on the Interrelations between Science and Technology, and Ethics and Values," 249
MACHINERY AND TOOLS (*see also* CRAFTS; INSTRUMENTS; MANUFACTURING; *and* MECHANICAL ENGINEERING): National Academy of Science, *Materials and Man's Needs,* (R) 570; Rolt, *Waterloo Ironworks,* (R) 378
McLuhan, M., "Misunderstanding the Media's Laws," 263
McMahon, A. M., (R) Hindle, *America's Wooden Age,* 748
McMath, R. C., (R) Roland, *The Improbable Era: The South since World War II,* 768
McShane, C., *Technology and Reform: Street Railways and the Growth of Milwaukee, 1887–1900,* (R) 551
Maggs, P. B., (R) Balz, *Invention and Innovation under Soviet Law: A Comparative Analysis,* 561
Mainstone, R. J., *Developments in Structural Form,* (R) 396
*The Making of the South Australian Landscape: A Study in the Historical Geography of Australia,* M. Williams, (R) 408
*The Making of TVA,* A. E. Morgan, (R) 162
MANAGEMENT (*see also* INDUSTRIAL ENGINEERING): Gold, *Technological Change,* (R) 782
*Managers and Workers: Origins of the New Factory System of the United States, 1880–1920,* D. Nelson, (R) 765
Mann, J. de L., (R) Jenkins, *The West Riding Wool Textile Industry, 1770–1935,* 797
MANPOWER (see also INDUSTRIAL ENGINEERING): Bulmer, *Working-Class Images of Society,* (R) 585; Davis and Cherns, *The Quality of Working Life,* (R) 581; Fairfield, *Humanizing the Workplace,* (R) 583; Foster, *Class Struggle and the Industrial Revolution,* (R) 375; Kranzberg and Gies, *By the Sweat of Thy Brow,* (R) 170; Poole, *Worker's Participation in Industry,* (R) 172; Scott, *Glassworkers of Carmaux,* (R) 802; Sethi, *Japanese Business and Social Conflict,* (R) 173
MANUFACTURING (*see also* INDUSTRIAL ENGINEERING; MACHINERY AND TOOLS; *and* MECHANICAL ENGINEERING): Bodey, *Twenty Centuries of British Industry,* (R) 598; Chapman and Ponting, *Textile Industries,* (R) 603; Cromwell, *Virginia Manufactory of Arms,* (R) 138; Godfrey, *Development of English Glassmaking,* (R) 788; Harris and Pris, "Memoirs of Delauney Deslandes," 201; Heal, *Industrial Britain,* (R) 165; Holtz, *Swedish Industrial Archaeology: Englesberg Ironworks,* (R) 599; Hudson, *West Riding Wool Textile Industry,* (R) 610; Kuuse, *Interaction between Agriculture and Industry,* (R) 761; Nishida, *History of Steel in Japan,* (R) 559; Pursell, "Testing a Carriage," 82; Sandberg, *Lancashire in Decline,* (R) 158; Thomson, *Paper Industry in Scotland,* (R) 125
MARINE TECHNOLOGY: Boczar, *Galleona Zygmunta Augusta,* (R) 790; Goldenberg, *Shipbuilding in Colonial America,* (R) 750; Guilmartin, *Gunpowder and Galleys,* (R) 373; Lundeberg, *Samuel Colt's Submarine Battery,* (R) 148
Marks, G., and Beatty, W. K., *The Precious Metals of Medicine,* (R) 119
Marling, K. A., (R) Quimby, ed., *Winterthur Portfolio 10,* 606; (R) Seale, *The Tasteful Interlude: American Interiors through the Camera's Eye, 1860–1917,* 773
"Martha Teach Gnudi (1908–1976)," E. S. Ferguson, 521
*Materials and Man's Needs,* NAS, (R) 570

*The Mathematical Preface to Euclid (1570)*, J. Dee, (R) 128
Mathes, J. C., (R) Zandi, *The Technological Catch and Society*, 589
*Maya Cities: Placemaking and Urbanization*, G. F. Andrews, (R) 546
Mayr, O., "The Science-Technology Relationship as a Historiographic Problem," 663
MECHANICAL ENGINEERING (*see also* MACHINERY AND TOOLS; MANUFACTURING; *and* RAILROADS): Bryant, "The Development of the Diesel Engine," 432; Janota, *Vehicle Engines*, (R) 175
MEDIEVAL TECHNOLOGY: Brooke, *London, 800–1216*, (R) 123; Piaskowski, *O stali Damasceńskiej*, (R) 371
"The Memoirs of Delaunay Deslandes," J. R. Harris and C. Pris, 201
*Men against Tanks: A History of Anti-Tank Warfare*, J. Weeks, (R) 558
Mendelssohn, K., *The World of Walther Nernst: the Rise and Fall of German Science, 1864–1941*, (R) 151
Mercer, H. C., *Ancient Carpenters' Tools: Together with Lumbermen's, Joiners' and Cabinet Makers' Tools in Use in the Eighteenth Century*, (R) 754
Merritt, R., (R) McShane, *Technology and Reform: Street Railways and the Growth of Milwaukee, 1887–1900*, 551; (R) *Lex et Scientia*, Vol. 10, 591
METALLURGY: Branigan, *Aegean Metalwork of the Early and Middle Bronze Age*, (R) 531; Halleux, *Problème des metaux dans la science antique*, (R) 535; Heal, *Industrial Britain*, (R) 165; Holtze, *Swedish Industrial Archaeology: Englesberg Ironworks*, (R) 599; Jackson and Beer, *Eighteenth Century Gunfounding*, (R) 136; Marks and Beatty, *Precious Metals of Medicine*, (R) 119; Nishida, *History of Steel in Japan*, (R) 559; Piaskowski, *O stali Damasceńskiej*, (R) 371; Rolt, *Waterloo Ironworks*, (R) 378
Milch, J., (R) Nau, *National Politics and Nuclear Technology: Nuclear Reactor Development in Western Europe*, 180
MILITARY TECHNOLOGY (*see also* WEAPONS): Canan, *Superwarriors*, (R) 771; Guilmartin, *Gunpowder and Galleys*, (R) 373; Higham, *Guide to the Sources of U.S. Military History*, (R) 613; Showalter, *Railroads and Rifles: Technology and the Unification of Germany*, (R) 555; Weeks, *Men against Tanks*, (R) 558; Woods, *History of Tactical Communication Techniques*, (R) 151
Miliutin, N. A., *Sotsgorod: The Problem of Building Socialist Cities*, (R) 808
*Mills and Markets: A History of the Pacific Coast Lumber Industry in 1900*, T. R. Cox, (R) 387
MINING (*see also* METALLURGY): Binder, *Coal Age Empire: Pennsylvania Coal and Its Utilization to 1860*, (R) 140; Multhauf, "Geology, Chemistry, and the Production of Common Salt," 634
MISSILES; *see* AERONAUTICS AND ASTRONAUTICS *and* MILITARY TECHNOLOGY
"Misunderstanding the Media's Laws," M. McLuhan, 263
Molella, A.; *see* Reingold, N.
Moravcsik, M. J., *Science Development*, (R) 566
Morgan, A. E., *The Making of TVA*, (R) 162
Morison, E. E., *From Know-how to Nowhere: The Development of American Technology*, (R) 746
Multhauf, R. P., "Geology, Chemistry, and the Production of Common Salt," 634
*Museum Cataloging in the Computer Age*, R. G. Chenhall, (R) 614
MUSEUMS (*see also* HISTORIOGRAPHY OF TECHNOLOGY): Chenhall, *Museum Cataloging in the Computer Age*, (R) 614; Eisenman, "National Museum of Transport," 93

National Academy of Sciences, *Biographical Memoirs*, Vol. 46, (R) 395; *Materials and Man's Needs*, (R) 570
"The National Museum of Transport," H. J. Eisenman, 93
*National Politics and Nuclear Technology: Nuclear Reactor Development in Western Europe*, H. Nau, (R) 180
*Natural Science and Technology on the Road to the "Industrial Revolution,"* W. Plum, (R) 127
Nau, H., *National Politics and Nuclear Technology: Nuclear Reactor Development in Western Europe*, (R) 180
Nelson, D., *Managers and Workers: Origins of the New Factory System in the United States, 1880–1920*, (R) 765
Nernst, W.; *see* Mendelssohn, K.
Niederhuemer, R., ed., *Blätter für Technikgeschichte*, (R) 193
Nishido, E., ed., *History of Steel in Japan*, (R) 559

*Non-nuclear Futures*, A. B. Lovins and J. H. Price, (R) 811
*The North Atlantic World in the Seventeenth Century*, K. G. Davies, (R) 130
NUCLEAR SCIENCE AND ENGINEERING (*see also* ENERGY): Ebbin and Kasper, *Citizen Groups and the Nuclear Power Controversy*, (R) 401; Gowing, *Independence and Deterrence: Britain and Atomic Energy*, (R) 167; Hewlett, "Beginnings of Development in Nuclear Technology," 465; Nau, *National Politics and Nuclear Technology*, (R) 180

Olson, L. K., (R) Academy Forum, *Energy: Future Alternatives and Risks*, 177; (R) Ford Foundation, *A Time to Choose: America's Energy Future*, 177
*On Parallels in Universal History Discoverable in Arts and Artifacts*, A. Gowans, (R) 191
"The Open University and the History of Technology," J. G. Brainerd, 235
*O stali Damasceńskiej* [About Damascus steel], J. Piaskowski, (R) 371

Packer, J., (R) Burford, *Craftsmen in Greek and Roman Society*, 537
*Palaeoeconomy*, E. S. Higgs, ed., (R) 110
*The Paper Industry in Scotland: 1590–1861*, A. G. Thomson, (R) 125
PATENTS; *see* INVENTION
Perkins, D. H., ed., *China's Modern Economy in Historical Perspective*, (R) 804
*Philadelphia's Philosopher Mechanics: A History of the Franklin Institute, 1824–1865*, B. Sinclair, (R) 382
*Philo of Byzantium: Pneumatica*, F. D. Prager, (R) 116
PHILOSOPHY OF TECHNOLOGY (*see also* SOCIAL CHANGE AND SOCIAL THOUGHT): Bonelli and Shea, *Reason, Experiment, and Mysticism in the Scientific Revolution*, (R) 793; Florman, *Existential Pleasures of Engineering*, (R) 528; Gowans, *On Parallels in Universal History*, (R) 191; Helmer, *The Deadly Simple Mechanics of Society*, (R) 586; Kintner and Sicherman, *Technology and International Politics: The Crisis of Wishing*, (R) 562; McGinn, "Workshop on the Interrelations between Science and Technology, and Ethics and Values," 249; Weizenbaum, *Computer Power and Human Reason*, (R) 813; Woodruff, *America's Impact on the World*, (R) 564
Piaskowski, J., *O stali Damasceńskiej* [About Damascus steel], (R) 371
Place, F.; *see* Howse, D.
Platt, F., *America's Gilded Age, Its Architecture and Decoration*, (R) 776
Plum, W., *Natural Science and Technology on the Road to the "Industrial Revolution,"* (R) 127
Pneumatica; *see* Philo of Byzantium
POLITICS OF TECHNOLOGY (*see also* DEVELOPMENT *and* URBAN PLANNING AND DEVELOPMENT): Bailes, "Technology and Legitimacy: Soviet Aviation and Stalinism in the 1930s," 55; Costello and Hughes, *The Concorde Conspiracy*, (R) 771; Ebbin and Kasper, *Citizens Groups and the Nuclear Power Controversy*, (R) 401; Ford Foundation, *A Time to Choose*, (R) 177; Gowing, *Independence and Deterrence, Britain and Atomic Energy*, (R) 167; Hough, *Technology Diffusion: Federal Programs and Procedures*, (R) 578; Kintner and Sicherman, *Technology and International Politics: The Crisis of Wishing*, (R) 562; Ludwig, *Technik und Ingenieure im Dritten Reich*, (R) 392; McShane, *Technology and Reform: Street Railways and the Growth of Milwaukee*, (R) 551; Morgan, *The Making of TVA*, (R) 162; Nau, *National Politics and Nuclear Technology*, (R) 180; Scott, *Glassworkers of Carmaux*, (R) 802; Woodruff, *America's Impact on the World*, (R) 564
Ponting, K. G., and Chapman, S. D., *Textile Industry*, (R) 603
Poole, M., *Worker's Participation in Industry*, (R) 172
Pope, M., *The Story of Archaeological Decipherment, from Egyptian Hieroglyphs to Linear B*, (R) 530
Porter, A., (R) Weisbecker, *The Impacts of Snow Enhancement*, 594
Post, R. C. (R) Cudahy, *Rails under the Mighty Hudson*, 763; "'Liberalizers' versus 'Scientific Men' in the Antebellum Patent Office," 24; (R) Sebree and Ward, *Transit's Stepchild: The Trolley Coach*, 163; (R) White, *Horsecars, Cable Cars, and Omnibuses*, 765
Prager, F. D., *Philo of Byzantium: Pneumatica*, (R) 116
*The Precious Metals of Medicine*, G. Marks and W. K. Beatty, (R) 119
Press, I., *Tradition and Adaptation: Life in a Modern Yucatan Maya Village*, (R) 807
Price, D., *Gears from the Greeks: The Antikythera Mechanism—a Calendar Computer from ca. 80 B.C.*, (R) 112
Price, J. H.; *see* Lovins, A. B.

PRINTING; *see* COMMUNICATIONS *and* MECHANICAL ENGINEERING
Pris, C.; *see* J. R. Harris
*The Problem of Slavery in the Age of Revolution, 1770–1923*, D. B. Davis, (R) 132
*Le Problème des metaux dans la science antique*, R. Halleux, (R) 535
"Project Whirlwind: An Unorthodox Development Project," T. M. Smith, 447
PUBLIC HEALTH; *see* CIVIL ENGINEERING
Pursell, C. W., Jr., "The Technical Society of the Pacific Coast, 1884–1914," 702; "Testing a Carriage: The 'American Industry' Series of *Scientific American*," 82; *see also Lex et Scientia*

*The Quality of Working Life*, L. E. Davis and A. B. Cherns, eds., (R) 581
" 'Questionable Opinions' Defended," H. Dorn, 523
Quimby, I. M. G., ed., *Winterthur Portfolio 10*, (R) 606

Rae, J. B., (R) Hume, *The Industrial Archaeology of Glasgow*, 798
RAILROADS (*see also* MECHANICAL ENGINEERING *and* TRANSPORTATION): Cudahy, *Rails under the Mighty Hudson*, (R) 763; McShane, *Technology and Reform: Street Railways and the Growth of Milwaukee*, (R) 551; Showalter, *Railroads and Rifles: Technology and the Unification of Germany*, (R) 555; White, "The Railroad Velocipede," 515
*Railroads and Rifles: Technology and the Unification of Germany*, D. E. Showalter, (R) 555
"The Railroad Velocipede," J. H. White, Jr., 515
*Rails under the Mighty Hudson*, B. J. Cudahy, (R) 763
Randall, A. J., (R) Foster, *Class Struggle and the Industrial Revolution: Early Industrial Capitalism in Three English Towns*, 375
Rasmussen, W., (R) Schlebecker, *Whereby We Thrive: A History of American Farming*, 543
Ratcliffe, B. M., ed., *Great Britain and Her World, 1750–1914*, (R) 795
*Readings in Glass History* No. 5, A. Engle, ed., (R) 412
*Reason, Experiment, and Mysticism in the Scientific Revolution*, M. L. R. Bonelli and W. R. Shea, eds., (R) 793
Reingold, N., and Molella, A., "The Interaction of Science and Technology in the Industrial Age: Introduction," 624
Renfrew, C., ed., *The Explanation of Culture Change: Models in Prehistory*, (R) 190
RESEARCH AND DEVELOPMENT (*see also* INNOVATION *and* SCIENCE AND ENGINEERING): Bryant, "Development of the Diesel Engine," 432; Fairfield, *Humanizing the Workplace*, (R) 583; Hewlett, "Beginnings of Development in Nuclear Technology," 465; Hough, *Technology Diffusion: Federal Programs and Procedures*, (R) 578; Hughes, "Development Phase of Technological Change," 423; Inkeles and Smith, *Becoming Modern: Individual Change in Six Developing Countries*, (R) 568; Liebhafsky, *William David Coolidge*, (R) 153; Moravcsik, *Science Development*, (R) 566; Nishida, *History of Steel in Japan*, (R) 559; Sanders, *Science and Technology: Vital Natural Resources*, (R) 577; Smith, "Project Whirlwind: An Unorthodox Development Project," 447; Susskind, "Development Phase of Technological Change: Commentary," 479; Young, *Virginia Agricultural Experiment Station*, (R) 545
Reti, L.; *see* Steinitz, K. T.
"Right On!" M. Fitzsimons, 526
"Right On—and On!" R. S. Cowan, 527
Robinson, C., and Bletter, R. H. *Skyscraper Style: Art Deco in New York*, 399
Robinson, E., (R) Braun, *Technologische Beziehungen zwischen Deutschland und England von der Mitte 17. bis zum Ausgang des 18. Jahrhunderts*, 554; (R) Slaven, *The Development of the West of Scotland*, 800; (R) Thomson, *The Paper Industry in Scotland, 1590–1861*, 125; (R) Woodruff, *America's Impact on the World*, 564
Robinson, I.; *see* Brier, A.
ROCKETS; *see* AERONAUTICS AND ASTRONAUTICS *and* MILITARY TECHNOLOGY
Roland, C. P., *The Improbable Era: The South since World War II*, (R) 768
Rolt, L. T. C., *Waterloo Ironworks: A History of Taskers of Andover, 1809–1968*, (R) 378
*The Roots of Ancient India*, W. Fairservis, Jr., (R) 785
Ropp, T., (R) Higham, *A Guide to the Sources of U.S. Military History*, 613; (R) Showalter, *Railroads and Rifles: Technology and the Unification of Germany*, 555; (R) Snyder and Guss, *The District: A History of the Philadelphia District U.S. Army Corps of Engineers, 1866–1971*, 150; (R)

Woods, *A History of Tactical Communication Techniques,* 151
Rosenbloom, R. S., (R) Gold, *Technological Change: Economics, Management, and Environment,* 782
Rossini, F. D., *Fundamental Measures and Constants for Science and Technology,* (R) 122
Rossiter, M. W., *The Emergence of Agricultural Science: Justus Liebig and the Americans, 1840–1880,* (R) 755; (R) Kohlstedt, *The Formation of the American Scientific Community: The American Association for the Advancement of Science, 1848–1860,* 758
Rottensteiner, F., *The Science Fiction Book,* (R) 781
Rowlett, R. M., (R) Fairservis, *The Threshold of Civilization,* 365; (R) Higgs, *Palaeoeconomy,* 110
Rowsome, F., *The Bright and Glowing Place,* (R) 575

*Samuel Colt's Submarine Battery,* P. K. Lundeberg, (R) 148
Sandberg, L. G., *Lancashire in Decline: A Study in Entrepreneurship, Technology and International Trade,* (R) 158
Sanders, R., ed., *Science and Technology: Vital Natural Resources,* (R) 577
Savelle, M., *Empires to Nations: Expansion in America, 1713–1824,* (R) 130
Schlebecker, J. T., *Whereby We Thrive: A History of American Farming,* (R) 543
Schofield, R. E., (R) Bonelli and Shea, eds., *Reason, Experiment and Mysticism in the Scientific Revolution,* 793
SCIENCE AND ENGINEERING (*see also* INSTRUMENTS *and* RESEARCH AND DEVELOPMENT): Bonelli and Shea, *Reason, Experiment and Mysticism in the Scientific Revolution,* (R) 793; Cardwell, "Science and Technology: The Work of James Prescott Joule," 674; Costello and Hughes, *The Concorde Conspiracy,* (R) 771; Dee, *Mathematical Preface to Euclid,* (R) 128; Hughes, "The Science-Technology Interaction: The Case of High-Voltage Power Transmission Systems," 646; Jeon, *Science and Technology in Korea,* (R) 404; Jevons, "Interaction of Science and Technology Today," 729; Kohler, "Interaction of Science and Technology in the Industrial Age: Foreword," 621; Layton, "American Ideologies of Science and Engineering," 688; Mayr, "The Science-Technology Relationship as a Historiographic Problem," 663; McCormmach, *Historical Studies in the Physical Sciences,* (R) 604; Mendelssohn, *World of Walter Nernst,* (R) 151; Moravcsik, *Science Development,* (R) 566; Multhauf, "Geology, Chemistry, and the Production of Common Salt," 634; Plum, *Natural Science and Technology on the Road to the "Industrial Revolution,"* (R) 127; Pursell, "The Technical Society of the Pacific Coast," 702; Reingold and Molella, "Interaction of Science and Technology: Introduction," 624; Rossini, *Fundamental Measures and Constants,* (R) 122; Sanders, *Science and Technology: Vital Natural Resources,* (R) 577; Shirley, *Thomas Harriot,* (R) 791; Spaey, *Science for Development,* (R) 566; Stuewer, *The Compton Effect,* (R) 154; Tobey, "Theoretical Science and Technology in American Ecology," 718; UNESCO, *Three Centuries of Scientific Hydrology,* (R) 121
*Science and Technology in African Development,* UNESCO, (R) 182
*Science and Technology in Korea,* S. Jeon, (R) 404
*Science and Technology: Vital Natural Resources,* R. Sanders, ed., (R) 577
"Science and Technology: The Work of James Prescott Joule," D. Cardwell, 674
*Science Development,* M. J. Moravcsik, (R) 556
SCIENCE FICTION; *see* FUTUROLOGY
*The Science Fiction Book,* F. Rottensteiner, (R) 781
*Science for Development,* J. Spaey et al., (R) 556
SCIENCE POLICY (*see also* POLITICS OF TECHNOLOGY): Hough, *Technology Diffusion: Federal Programs and Procedures,* (R) 578
"The Science-Technology Interaction: The Case of High-Voltage Power Transmission Systems," T. P. Hughes, 646
"The Science-Technology Relationship as a Historiographic Problem," O. Mayr, 663
Scott, J. W., *The Glassworkers of Carmaux: French Craftsmen and Political Action in a Nineteenth-Century City,* (R) 802
Seale, W., *The Tasteful Interlude: American Interiors through the Camera's Eye, 1860–1917,* (R) 773
Sebree, M., and Ward, P., *Transit's Stepchild: The Trolley Coach,* (R) 163

"The Second International Congress on the Conservation of Industrial Monuments," R. A. Buchanan, 245
Sesto, S. L. D., (R) Ebbin and Kasper, *Citizens Groups and the Nuclear Power Controversy*, 401
Sethi, S. P., *Japanese Business and Social Conflict*, (R) 173
Shapin, S., (R) Cardwell, ed., *Artisan to Graduate: Essays to Commemorate the Foundation in 1924 of the Manchester Mechanics' Institution*, 143
Sharlin, H. I., (R) Eastwood, *Wireless Telegraphy: The Royal Institution Library of Science*, 145
Sharpe, M. R., (R) Weeks, *Men against Tanks: A History of Anti-Tank Warfare*, 558
Shea, W. R.; *see* Bonelli, M. L. R.
*Shipbuilding in Colonial America*, J. A. Goldenberg, (R) 750
Shirley, J. W., ed., *Thomas Harriot: Renaissance Scientist*, (R) 791
Showalter, D. E., *Railroads and Rifles: Technology and the Unification of Germany*, (R) 555
Sicherman, H.; *see* Kintner, W. R.
Sidorov, A. L., *Ekonomicheskoe polozhenie Rossii v gody pervoi mirovoi voiny* [The economic position of Russia in the years of the First World War], (R) 390
Sinclair, B., *Philadelphia's Philosopher Mechanics: A History of the Franklin Institute, 1824–1865*, (R) 382
Skolnikoff, E. B., (R) Kintner and Sicherman, *Technology and International Politics: The Crisis of Wishing*, 562
*Skyscraper Style: Art Deco in New York*, C. Robinson and R. H. Bletter, (R) 399
Slaven, A., *The Development of the West of Scotland*, (R) 800
"Slavery, Ideology, and 'Cliometrics,'" C. Crowe, 271
Smith, C. O., (R) West, *Education and the Industrial Revolution*, 377
Smith, C. S., (R) Beer and Jackson, *Eighteenth Century Gunfounding: The Verbruggens at the Royal Brass Foundry*, 136; (R) Piaskowski, *O stali Damasceńskiej* [About Damascus steel], 371
Smith, D. H.; *see* Inkeles, A.
Smith, T. M., "Project Whirlwind: An Unorthodox Development Project," 447; (R) Canan, *The Superwarriors*, 771; (R) Costello and Hughes, *The Concorde Conspiracy*, 771
Snyder, Frank E., and Guss, B. H. *The District: A History of Philadelphia District U.S. Army Corps of Engineers, 1866–1971*, (R) 150
Social Change and Social Thought (*see also* Futurology *and* Philosophy of Technology): Anderson, *Family Structure in Nineteenth Century Lancashire*, (R) 549; Beckerman, *Two Cheers for the Affluent Society*, (R) 188; Boorstin, *The Americans: The Democratic Experience*, (R) 385; Brier and Robinson, *Computers and the Social Sciences*, (R) 580; Bulmer, *Working-Class Images of Society*, (R) 585; Cowan, "The 'Industrial Revolution' in the Home," 1; Crowe, "Slavery, Ideology, and 'Cliometrics,'" 271; Davis, *Problem of Slavery in the Age of Revolution*, (R) 132; Davis and Cherns, *The Quality of Working Life*, (R) 581; Davis, *Society and Culture in Early Modern France*, (R) 368; Fitzsimons, M., "Right On!" 526; Flink, *The Car Culture*, (R) 400; Foster, *Class Struggle and the Industrial Revolution*, (R) 375; Fuller, *Synergetics*, (R) 104; Helmer, *The Deadly Simple Mechanics of Society*, (R) 585; Huggett, *The Land Question and European Society*, (R) 370; Kranzberg and Gies, *By the Sweat of Thy Brow*, (R) 170; Morison, *From Know-how to Nowhere*, (R) 746; Sethi, *Japanese Business and Social Conflict*, (R) 173; Sinclair, *Philadelphia's Philosopher Mechanics*, (R) 382; Venable, "Flaws in McLuhan's Laws," 256; Woodruff, *America's Impact on the World*, (R) 564; Zandi, *The Technological Catch and Society*, (R) 589
*Society and Culture in Early Modern France*, N. Z. Davis, (R) 368
Society for the History of Technology, 499
Solo, R., (R) Moravcsik, *Science Development*, 556; "Transfer of Technology and Developing Countries: Belgrade, September, 1975," 518; (R) Lerner and Ben-Shahar, *The Economics of Efficiency and Growth: Lessons from Israel and the West Bank*, 183; (R) Spaey et al., *Science for Development*, 566
*Sotsgorod: The Problem of Building Socialist Cities*, N. A. Miliutin, (R) 808
Spaey, J., et al., *Science for Development*, (R) 566
Springer, L. E., (R) Evans, *Art Pottery of the United States: An Encyclopedia of Producers and Their Marks*, 413
Stearns, P. N., (R) Scott, *The Glassworkers of Carmaux: French Craftsmen and Political Action in a Nineteenth-Century City*, 802;

(R) Bulmer, ed., *Working-Class Images of Society,* 585
Steen, H. K., (R) Cox, *Mills and Markets: A History of the Pacific Coast Lumber Industry to 1900,* 387
Steinberg, A., (R) Branigan, *Aegean Metalwork of the Early and Middle Bronze Age,* 631; (R) Halleux, *Le Problème des metaux dans la science antique,* 535
Steinitz, K. T., "Ladislao Reti and 'The Unknown Leonardo,'" 264
Stillman, D., (R) Dee, *The Mathematical Preface to Euclid, (1570),* 128
Stine, G. H., *The Third Industrial Revolution,* (R) 809
*The Story of Archaeological Decipherment, from Egyptian Hieroglyphs to Linear B,* M. Pope, (R) 530
Strassmann, W. P., (R) David, *Technical Choice, Innovation and Economic Growth,* 380
*The Streamlined Decade,* D. Bush, (R) 779
Stuewer, R. H., *The Compton Effect: Turning Point in Physics,* (R) 154
Sun, E. Z., (R) Perkins, *China's Modern Economy in Historical Perspective,* 804
*The Superwarriors,* J. Canan, (R) 771
Susskind, C., "Commentary: The Development Phase of Technological Change," 479; (R) Mendelssohn, *The World of Walther Nernst: The Rise and Fall of German Science, 1864–1941,* 151
*Swedish Industrial Archaeology: Englesberg Ironworks: A Pilot Project,* B. Holtze et al., (R) 599
*Synergetics,* R. B. Fuller, (R) 104

*The Tallest Tower,* J. Harriss, (R) 552
*The Tasteful Interlude: American Interiors through the Camera's Eye, 1860–1917,* W. Seale, (R) 773
*Technical Choice, Innovation and Economic Growth: Essays on American and British Experience in the Nineteenth Century,* P. A. David, (R) 380
"The Technical Society of the Pacific Coast, 1884–1914," C. W. Pursell, Jr., 702
*Technik und Ingenieure im Dritten Reich* [Technology and engineers in the Third Reich], K. H. Ludwig, (R) 392
*The Technological Catch and Society,* I. Zandi, (R) 589
*Technological Change: Economics, Management, and Environment,* B. Gold, (R) 782
TECHNOLOGICAL FORECASTING; *see* FUTUROLOGY *and* SOCIAL CHANGE AND SOCIAL THOUGHT
*Technologische Beziehungen Zwichen Deutschland und England von der Mitte 17. bis zum Ausgang des 18. Jahrhunderts,* H. J. Braun, (R) 554
*Technology and International Politics: The Crisis of Wishing,* W. R. Kintner and H. Sicherman, (R) 562
"Technology and Legitimacy: Soviet Aviation and Stalinism in the 1930s," K. E. Bailes, 55
*Technology and Reform: Street Railways and the Growth of Milwaukee, 1887–1900.* C. McShane, (R) 551
TECHNOLOGY ASSESSMENT (*see also* POLITICS OF TECHNOLOGY *and* SOCIAL CHANGE AND SOCIAL THOUGHT): Balz, *Invention and Innovation under Soviet Law,* (R) 561; Fairfield, *Humanizing the Workplace,* (R) 583; Kelley and Williamson, *Lessons from Japanese Development,* (R) 559; Kintner and Sicherman, *Technology and International Politics: The Crisis of Wishing,* (R) 562; Weisbecker, *Impacts of Snow Enhancement,* (R) 594; Woodruff, *America's Impact on the World,* (R) 564
*Technology Diffusions: Federal Programs and Procedures,* G. W. Hough, (R) 578
"Testing a Carriage: The 'American Industry' Series of *Scientific American,*" C. W. Pursell, Jr., 82
*Textile Industry,* K. G. Ponting and S. D. Chapman, (R) 603
Thackray, A., (R) Sinclair, *Philadelphia's Philosopher Mechanics: A History of the Franklin Institute, 1824–1868,* 382
"Theoretical Science and Technology in American Ecology," R. Tobey, 718
*The Third Industrial Revolution,* G. H. Stine, (R) 809
Thomas, P. D., (R) Guilmartin, *Gunpowder and Galleys: Changing Technology and Mediterranean Warfare at Sea in the Sixteenth Century,* 373
*Thomas Harriot: Renaissance Scientist,* J. W. Shirley (R), 791
Thomson, A. F., *The Paper Industry in Scotland: 1590–1861,* (R) 125
*Three Centuries of Hydrology,* UNESCO-WMO-IAHS, (R) 121
*The Threshold of Civilization,* W. A. Fairservis, (R) 365
*Timber Roots: The Laird Norton Story, 1855–1905,* F. W. Kohlmeyer, (R) 158
*A Time to Choose: America's Energy Future,* Ford Foundation, (R) 177

Tobey, R., "Theoretical Science and Technology in American Ecology," 718
TOOLS; *see* MACHINERY AND TOOLS
*Tradition and Adaptation: Life in a Modern Yucatan Maya Village,* I. Press, (R) 807
TRANSFER OF TECHNOLOGY (*see also* DEVELOPMENT *and* INDUSTRIAL DEVELOPMENT): Braun, *Technologische Beziehungen zwischen Deutschland und England,* (R) 554; Inkeles and Smith, *Becoming Modern: Individual Change in Six Developing Countries,* (R) 568; Kelley and Williamson, *Lessons from Japanese Development,* (R) 559; Solo, "Transfer of Technology and Developing Countries," 518
"Transfer of Technology and Developing Countries: Belgrade, September, 1975," R. A. Solo, 518
*Transit's Stepchild: The Trolley Coach,* M. Sebree and P. Ward, (R) 163
TRANSPORTATION (*see also* AERONAUTICS AND ASTRONAUTICS *and* RAILROADS): Eisenman, "National Museum of Transport," 93; Flink, *The Car Culture,* (R) 400; Sebree and Ward, *Transit's Stepchild: The Trolley Coach,* (R) 163; White, *Horsecars, Cable Cars, and Omnibuses,* (R) 765
Turner, R. S., (R) McCormmach, ed., *Historical Studies in the Physical Sciences,* 604
Turriano, J.; *see* Garcia-Diego, J. A.
*Twenty Centuries of British Industry,* H. Bodey, (R) 598
*Two Cheers for the Affluent Society,* W. Beckerman, (R) 188

*The UFO Controversy in America,* D. M. Jacobs, (R) 596
UNESCO, *Science and Technology in African Development,* (R) 182
UNESCO-WMO-IAHS, *Three Centuries of Scientific Hydrology,* (R) 121
URBAN PLANNING AND DEVELOPMENT (*see also* POLITICS OF TECHNOLOGY): Andrews, *Maya Cities,* (R) 546; Brooke, *London, 800–1216,* (R) 123; Coppa and Dolce, *Cities in Transition,* (R) 548; Lobel, *Atlas of Historic Towns,* (R) 787; Miliutin, *Sotsgorod: The Problem of Building Socialist Cities,* (R) 808
UTOPIAS; *see* FUTUROLOGY *and* SOCIAL CHANGE AND SOCIAL THOUGHT

*Vehicle Engines: Fuel Consumption and Air Pollution,* M. S. Janota, ed., (R) 175
Venable, W. H., "Flaws in McLuhan's Laws," 256
Verbruggens; *see* Beer, C. de
*The Virginia Agricultural Experiment Station, 1886–1966,* H. N. Young, (R) 545
*The Virginia Manufactory of Arms,* G. Cromwell, (R) 138
Vlack, D., *Art Deco Architecture in New York, 1920–1940,* (R) 161

Walker, M., (R) Renfrew, *The Explanation of Culture Change: Models in Prehistory,* 190
Wallis, G. W., (R) Press, *Tradition and Adaptation: Life in a Modern Yucatan Maya Village,* 807
Ward, P.; *see* Segree, M.
Warner, D. J., (R) Howse, *Francis Place and the Early History of the Greenwich Observatory,* 414
*Water Current Meters in the Smithsonian Collections,* A. H. Frazier, (R) 415
*Waterloo Ironworks: A History of Taskers of Andover, 1809–1968,* L. T. C. Rolt, (R) 378
Watson, S. R., (R) Florman, *The Existential Pleasures of Engineering,* 528; (R) Harriss, *The Tallest Tower,* 552
WEAPONS (*see also* MILITARY TECHNOLOGY): Cromwell, *Virginia Manufactory of Arms,* (R) 138; Beer and Jackson, *Eighteenth Century Gunfounding,* (R) 136; Gill, *Gunsmith in Colonial Virginia,* (R) 752; Weeks, *Men against Tanks: A History of Anti-Tank Warfare,* (R) 558
Webb, S. B., (R) Davis, *The Problem of Slavery in an Age of Revolution, 1770–1823,* 132
Weeks, J., *Men against Tanks: A History of Anti-Tank Warfare,* (R) 558
Weintraub, A., (R) Beckerman, *Two Cheers for the Affluent Society,* 188
Weisbecker, L. W., *The Impact of Snow Enhancement,* (R) 594
Weizenbaum, J., *Computer Power and Human Reason,* (R) 813
West, E. G., *Education and the Industrial Revolution,* (R) 377
Westbrook, J. H., (R) Gill, *The Gunsmith in Colonial Virginia,* 752
*The West Riding Wool Textile Industry: A Catalogue of Business Records from the Sixteenth to the Twentieth Century,* P. Hudson, (R) 610
*The West Riding Wool Textile Industry, 1770–1835,* D. T. Jenkins, (R) 797

*Whereby We Thrive: A History of American Farming*, J. T. Schlebecker, (R) 543
White, J. H., Jr., "The Railroad Velocipede," 515; *Horsecars, Cable Cars, and Omnibuses*, (R) 765
White, K. D., *Farm Equipment of the Roman World*, (R) 541
White, L. J., (R) Flink, *The Car Culture*, 400
*William David Coolidge*, H. A. Liebhafsky, (R) 153
Williams, M., *The Making of the South Australian Landscape: A Study in the Historical Geography of Australia*, (R) 408
Williamson, J. G.; *see* Kelley, A. C.
Wilson, R., (R) Lovins and Price, *Non-nuclear Futures*, 811
*Winterthur Portfolio 10*, I. M. G. Quimby, ed., (R) 606
*Wireless Telegraphy: The Royal Institution Library of Science*, E. Eastwood, (R) 145
Woodruff, W., *America's Impact on the World*, (R) 564
Woods, D. L., *A History of Tactical Communications Techniques*, (R) 151
*Worker's Participation in Industry*, M. Poole, (R) 172
*Working-Class Images of Society*, M. Bulmer, ed., (R) 585
"Workshop on the Interrelations between Science and Technology, and Ethics and Values," R. E. McGinn, 249
*The World of Walther Nernst: The Rise and Fall of German Science, 1864–1941*, K. Mendelssohn, (R) 151
Wright, M. D., (R) Jacobs, *The UFO Controversy in America*, 596

Young, H. N., *The Virginia Agricultural Experiment Station, 1886–1966*, (R) 545

Zandi, I., *The Technological Catch and Society*, (R) 589